

APPENDIX E

**GERSTLE RIVER EXPANSION AREA
5/28/98 RAB MEETING**

Meeting Minutes

Gerstle River Expansion Area

Restoration Advisory Board Meeting

May 28, 1998, 6:00 p.m., Delta Junction City Hall, Delta Junction, Alaska

The meeting was called to order at 6:30 p.m. by Tim Webb, RAB Community Co-Chair.

Introductions and sign in

RAB Members Present

Audrey Brown

Bob Chivvis (COE)

Nat Good

Robert Layne (ADNR)

Tamie Webb

Tim Webb

Guests Present

Kristina Swanson (D&M)

Dave Westerman (COE)

Kerry Walker (COE)

Agenda Items (see attached)

1. Approve meeting agenda – Audrey Brown motioned to strike items 2, 3 and 4. Bob Chivvis reminded the group that the RAB bylaws require one half of the members to be present to constitute a voting forum. Consequently the meeting was held for informational purposes only. Audrey Brown agreed that no voting would be done until the next meeting.
2. Approval of 4/8/97 Meeting Minutes – Postponed item to July 22nd meeting.
3. Confirm new RAB members – No new community members were present.
4. Presentation from Army on Gerstle River Test Site – Due to the date change for the RAB Meeting, Army representatives were not able to attend.
5. Discussion of 1995 Geophysical Data, Kerry Walker, U.S. Army Corps of Engineers – Kerry Walker presented a brief overview from the geophysical work handout. Questions and comments from the community included:

Robert Layne asked for clarification on the previous recommendation. Kerry Walker responded that HFA recommended digging up the two locations at Site 9.

Audrey Brown asked if the 1966 test logs contained coordinates and Kerry Walker responded yes.

Robert Layne commented that the main target area was assumed to be in the center of the Expansion Area at the time the testing was performed and therefore had been the most effected. That is the reason it was cleared. Dave Westerman commented that the information was available even then. Robert Layne responded that at the time there was some type of

information that justified clearing the center area.

Nat Good noted that the dispersal pattern on the graph bothered him. Kerry Walker clarified that with the detonations occurring in the trees, fragments disbursed in all directions and therefore are located all over the area. Nat Good noted that if the fragments are unimportant, will the Army Corps be looking for larger targets. Kerry Walker responded that the Army Corps is proposing removing some of the fragments from the area in order to reduce the number of unwanted signals during the next round of magnetometer testing and digging.

Nat Good then asked about what would be done about the 1402 site. Dave Westerman responded that it was not a range which was fired and included all static.

Kerry Walker noted that the Army Corps has compiled a list of every one of the munitions fired and determined the exact location of where it landed on the grid. When the project was first launched, the test log table was being read wrong. The original concern was that four of the shots launched had not burst. This was not the case.

6. COE's Proposal for Summer 1998 Field Work, Kerry Walker, U.S. Army Corps of Engineers - Bob Chivvis commented that the Army Corps had shown that numerous metal fragments are located on the site and he was getting the impression that the group would like the Army Corps to dig up any locations containing hits. Audrey Brown noted that she would like to see the ones extracted presenting the greatest concern.

Kerry Walker reiterated that the Army Corps proposes to remove some of the fragments from the area in order to reduce the number of unwanted signals during the next round of magnetometer testing. This would include the hits identified by SC&A, HFA and any other problem areas determined from the test logs. Once the area has been re-tested with a magnetometer, pick an acre that shows to have the largest amount of hits and dig deep. She reminded the group that the EM61 has not yet been used on the area determined to be the munitions site.

Nat Good noted that Buffalo Road (Bison walkway?) contains numerous metal fragments and should be considered for the controlled burning. Robert Layne responded that the road is located on the opposite side of the munitions site. Dave Westerman noted that Site 10 North was located around Buffalo Road and many small fragments remain there. This could be a good enough reason to burn the area.

Nat Good asked if there is anything that could be learned from the fragments and their locations. Dave Westerman responded that they could be used to determine if the munitions were chemical or high explosive. Nat Good noted that Site 10 does not pose a problem because the military testing was static. Robert Layne disagreed. He thought Site 11 was static. Nat Good noted that it was difficult to determine the areas from the aerial photographs. Dave Westerman responded that they were taken in 1968. Robert Layne asked what was located in the cleared area at the bottom of the photograph. Dave Westerman noted that the munitions were fired from the area located at the bottom of the aerial to the command post that

is shown as the top square on the photo. Robert Layne noted that the aerial photos are a close representation of what is in place today.

Nat Good commented that it would be a good idea to focus on the largest anomaly determined from this summer's testing. The impact area should be the center of the investigation. Dave Westerman asked if this meant the Army Corps should ignore the geophysical data collected in 1994 and 1995. Kerry Walker responded it sounded as though the board wants the Army Corps to dig in the destination area. She thought it would also be important to document the fragments found.

Bob Chivvis concluded the discussion by summarizing current events with BLM. Fire Service called him and wanted to set a tentative date for a briefing on what was found on site. Hopefully this meeting will be convincing enough for them to open up the Expansion Area.

7. Records Review Memorandum, U.S. Army Corps of Engineers – Postponed item to July 22nd meeting.

8. Presentation of Project Budget – Postponed item to July 22nd meeting.

9. Current and Future Site Activities – Postponed item to July 22nd meeting.

10. Date, Time, and Agenda Items for next RAB Meeting –

Agenda items for the next meeting to include:

Community Relations Budget

Discussion with former chemical munitions personnel

Summer 98 ACOE site investigation for contaminated areas

Summer 98 ACOE verification sampling SOW

Records Review Memorandum

It was decided that the next meeting would be held on July 28, 1998 at 6:00 p.m. at Delta Junction City Hall.

Meeting adjourned at approximately 7:30 p.m.

Gerstle River Expansion Area

Restoration Advisory Board (RAB) Meeting

May 28, 1998, 6:00 p.m.

Delta Junction City Hall, Delta Junction, AK



Meeting Agenda

- 1) Approve Meeting Agenda
- 2) Approve April 8, 1998 RAB Meeting Minutes
- 3) Confirm new RAB members
- 4) Presentation from Army on Gerstle River Test Site
- 5) Discussion of 1995 Geophysical Data
- 6) COE's Proposal for Summer 1998 Field Work
- 7) Records Review Memorandum – Update from Corps
- 8) Presentation of Project Budget
- 9) Current and Future Site Activities
- 10) Date, Time, and Agenda Items for next RAB Meeting

EXHIBIT A
MEETING ADVERTISEMENTS

These burns use the technique of fire suppression and control utilizing gasoline, diesel and propane. The open burn training exercises will be conducted at Pump Stations 1, 3, 4, 5, 7, 9 and 12; Nordale Yard Facility located at 2 Mile Boardwalk Road, Fairbanks; and the Van Horn Facility at 1420 Van Horn Road, Fairbanks, at various times during the hours of 6 am - 12 pm. If there are any questions or complaints regarding smoke from these fire training exercises, please call Alyeska Pipeline Service Company at (907) 459-5707 or Alaska Department of Environmental Conservation at (907) 1-2109.

IBUSH: Through October 31, 1998

Tanning bed - 5 sessions for \$15.25-43 Chena, behind city park. Mon. - Sat., 10 am to 7 pm. Call 895-4997. 3cheib

TOY POODLE PUPPY, black female, \$350. AKC, shots, wormed, certified healthy. Call 895-4565. 1ojps18

REGISTERED PUREBRED ARABIAN at stud. Chestnut, 15h. Patron grandson. He has sired all fillies with exotic head and necks, nice toplines, 15 h. or bigger, and a lot of motion. All foals will be eligible for registration. Also training for show or pleasure. Riding lessons now started. Adults and children. Call now, 895-4284. 15han28

LAND SALE

181 Parcels - Industrial, Commercial and Residential. Sale Starts May 4

All sales will be cash, over-the-counter sales, at City Hall. Doors will be open 9 am - 5 pm, Monday - Friday.
For more information call Pam, 895-4656 or Marlin, 895-4631.

GERSTLE RIVER EXPANSION AREA

RESTORATION ADVISORY BOARD MEETING



The U.S. Army Corps of Engineers (Corps) will be holding a Restoration Advisory Board (RAB) Meeting for the Gerstle River Expansion Area. The meeting is open to all interested parties. Topics to be discussed include an

update on the Corps' Records Review Memorandum, a discussion with a representative from Ft. Greely on the Gerstle River Test Site, and an update on current and future activities planned at the site.

For more information regarding this meeting, please contact:

Mr. Bob Chivvis, RAB Agency Co-Chair
U.S. Army Engineer District, Alaska
(907) 753-5782

OR
Mr. Tim Webb, RAB Community Co-Chair
Delta Junction
(907) 895-1024

MULLINS RD
3-Bedroom, 2 Bath, full
Basement on 5 Acres -- \$79,000
* * *

CABIN in the WOODS
4.4 Acres - Close to Town
REDUCED to \$23,000
* * *

5 ACRES with Small Cabin
\$15,000
* * *

HAYES & HAYES CIRCLE
4 Bedrooms, 3 1/2 Baths,
Den, Deck, Sunroom,
2-Car Garage 3+++
\$115,000
* * *

3-BEDROOM MOBILE HOME
Large 2-Car Garage w/Sheds,
On 2 Acres - \$45,000
* * *

4 CITY LOTS on School Road
\$15,000
* * *

ROGERS AVE., 4.27 Acres
\$7,250
* * *

3.28 ACRES near Rainbow Lake
View of Mountains
Great Recreational Site, Dry
\$11,500
* * *

CLEARWATER II SUBDIVISION LOTS,
McSweeney Subdivision Lots,
Engdall Subdivision Lots
* * *

Catching the Fever?
Come Take A Look!

BROCHURE AVAILABLE FOR ALL LISTINGS
* * *

FREE RENTAL REFERRAL SERVICE
* * *

COFFEE'S HOT!

* * * * *

MT. HAYES COMMERCIAL COMPLEX
P.O. Box 888

Delta Junction, Alaska 99737

907-895-4142

MAY 14 1998

PUBLIC MEETING ANNOUNCEMENT

Gerstle River Expansion Area

RESTORATION ADVISORY BOARD MEETING

Date: Wednesday, May 27th

Time: 6:00 pm

Place: Delta Junction City Hall

The meeting will provide an update on the Corps of Engineers investigation of a former military weapons testing area to assure public safety.

For more information, please contact:

Mr. Tim Webb, RAB Community Co-Chair
895-1024

- or -

Mr. Bob Chivvis, RAB Agency Co-Chair
(907) 753-5782



EXHIBIT B
SIGN-IN SHEETS

Sign In Sheet

[illegible]

EXHIBIT C
MEETING HANDOUTS

**Interim Removal Action
Gerstle River Expansion Area
Sites 9, 9E, 10, and 10N**

Huntsville Division, Corps of Engineers, has authorized Alaska District to proceed with scoping an (Hazardous, Toxic, Radiological Waste) HTRW interim removal action at Gerstle River Expansion Area, Sites 9, 10, 9E, and 10N. The following is a draft of Alaska District's proposed action.

PROPOSED INTERIM REMOVAL ACTION

Objective: The objective of this interim removal action is to ensure the sites are safe for access. The primary goal is to mitigate immediate potential surface hazards by conducting a surface-based removal action and performing confirmation soil sampling. Two additional goals are: to confirm accuracy of knowledge about subsurface conditions of the sites and; to gather sufficient information to perform a feasibility study to assess alternatives for final remedial action and site closure.

GOAL 1: Mitigate immediate potential surface hazards.

Background: There is evidence that DOD associated testing and ordnance material remains on the surface of the sites 9 & 10. In the past several years, ordnance fragmentation, carrying rings, and electrical cords have been found on these two sites. Other surface or overgrown near-surface material that may remain on sites 9 & 10 includes: pulleys, meteorological sensors, M-15 detection kits, rainshields on bubblers, bubblers, masks, wires, cords, timers, towers, pie pans, manikins, samplers, tents, generators, drums, test tubes, carrying rings for transporting rounds, fence stakes, MRE containers, pop cans, tower foundations, etc. In addition to the test sampling there will be a significant number of pieces of shrapnel that did not penetrate deeply into the ground. On both site 9 and site 10 the shrapnel is from chemical munitions. Most of the shrapnel is large sharp fragmentation. On both sites 9E and 10N the shrapnel is from HE. HE fragmentation is small.

PROPOSED ACTION:

PART 1: Near-Surface Removal Action:

To mitigate potential surface hazards we propose to:

Perform a 100% surface and near-surface clearance at sites 9, 10, 9E, and 10N. This would be a 'mag', 'flag', and hand-dig all metallic objects with a shovel down to a reasonable level (probably a foot or two). If the 'mag' piece is not located by hand the 'flag' will be replaced for action during Part II below. This surface clearance should rid the sites of the majority of metallic material that interferes with geophysical assessment of sub-surface conditions. It will provide access to soils so HTRW sampling can be performed under potentially leaching objects.

Goals 2 & 3: Confirmation of site history and information for feasibility study.

Background: The site history indicates that the fragmentation from dynamically detonated chemical rounds had tremendous velocity and momentum. It is expected that some of this shrapnel has penetrated deeply into the ground. All information gathered indicates that the only items that remain in the ground would be: the shrapnel that

penetrated deeply (remember, when the dynamic rounds detonates they sometimes took all the branches off the top of 6 trees- for the shrapnel that sped toward the earth we can expect significant penetration of the soil) and foundation anchors for towers and fences.

PROPOSED ACTION:

Part II: Deep-Dig Removal Action:

To get the most 'bang for the buck', we recommend a 2-pronged approach to the deep-dig.

Part IIa: Deep-dig Areas on sites 9, 9E, 10, and 10N:

After the near-surface removal action is complete, all 'flags' that remain will be considered 'deep targets'. We will locate the area of greatest concentration of 'deep targets' on each of the 4 sites. We shall dig up 100% of the deep targets in each of these areas and sample the soil under the targets. We recommend a deep-dig area of 1 acre in size for each of sites 9 and 10. We recommend a deep-dig area of 1/8th acre in site for each of sites 9E and 10N.

Part IIb: Deep-dig Select Targets on sites 9 and 10:

SC&A has used the Huntsville Knowledge-Based System to select 18 geophysical targets between sites 9&10 (seven on site 9 and eleven on site 10) that most likely represent a 'large' object. Recommend these 18 individual targets be excavated and identified. (Note: some of these may already have been removed during Part I or Part IIa above.)

In addition, the concern over sites 9 and 10 arose in 1994 due to a data gap in tables from reports generated in 1965 and 1966. The detonation location of two of the dynamically detonated munitions from each of the sites was unclear in the data tables whereas the detonation location of the other 44 dynamically detonated munitions was explicit in the tables. Since 1994 additional records have been located which identify the approximate location where each of the 4 munitions of concern detonated. Recommend we dig the 'deep target' at or nearest each of those 4 locations.

Having collected the information during this interim removal action we will be ready next winter to assess alternatives for the final remedial action to take place at each of these sites.

EXHIBIT D

RAB MEMBER CONTACT LIST

RAB Members

Gerstle River Expansion Area



Last Name	First Name	Organization	Address	City	State	Zip Code	Day Phone
Brown	Audrey		P.O. Box 990	Delta Junction	AK	99737	907-895-5297
Chivvis	Robert	U.S. Army Corps of Engineers	P.O. Box 898	Anchorage	AK	99506-0898	907-753-5782
DuBois	Steve	ADF&G	P.O. Box 605	Delta Junction	AK	99737	907-895-4484
Edgren	Al	ADNR - Division of Forestry	P.O. Box 1149	Delta Junction	AK	99737	907-895-4225
Elconin	Andrea	U.S. Army Corps of Engineers	P.O. Box 898	Anchorage	AK	99506-0898	907-753-5685
Good	Nathaniel	GREA Rab Co-Chair (Alt)	P.O. Box 827	Delta Junction	AK	99737	907-895-6282
Griswold	Arthur		HC-60, Box 4493	Delta Junction	AK	99737	907-488-7034
Layne	Robert	ADNR - Division of Land	3700 Airport Way	Fairbanks	AK	99709-4699	907-451-2700
Mead	Irene		P.O. Box 186	Delta Junction	AK	99737	907-895-4813
Miller	Thomas		HC-60 Box 1260	Delta Junction	AK	99737	907-895-5157
Miller	P.R.		P.O. Box 384	Delta Junction	AK	99737	907-895-4493
Oldham	Tommy	Ft. Greely Fire&E.M. Svc.	P.O. Box 1315	Delta Junction	AK	99702	907-873-3425
Short	Ronan	ADEC	610 University Avenue	Fairbanks	AK	99709-3643	907-451-2156
Webb	Tamie		HC-62 Box 5358	Delta Junction	AK	99737	907-895-1024

Last Name	First Name	Organization	Address	City	State	Zip Code	Phone
Webb	Tim	GRE A RAB Co-Chair	HC-62 Box 5358	Delta Junction	AK	99737	907-895-1024

RAB Members

Gerstle River Expansion Area



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Brown	Audrey		P.O. Box 990	Delta Junction	AK	99737	907-895-5297
Chivvis	Robert	U.S. Army Corps of Engineers	P.O. Box 898	Anchorage	AK	99506-0898	907-753-5782
✓ DuBois	Steve	ADF&G	P.O. Box 605	Delta Junction	AK	99737	907-895-4484
Edgren	Al	ADNR - Division of Forestry	P.O. Box 1149	Delta Junction	AK	99737	907-895-4225
Good	Nathaniel	GREA Rab Co-Chair (Alt)	P.O. Box 827	Delta Junction	AK	99737	907-895-6282
Griswold	Arthur		HC-62, Box 5308	Delta Junction	AK	99737	907-488-7034
Layne	Robert	ADNR - Division of Land	3700 Airport Way	Fairbanks	AK	99709-4699	907-451-2700
Levine	Jim	U.S. Army Corps of Engineers	P.O. Box 898	Anchorage	AK	99506-0898	907-753-5685
Mead	Irene		P.O. Box 186	Delta Junction	AK	99737	907-895-4813
Miller	Thomas		HC-60 Box 1260	Delta Junction	AK	99737	907-895-5157
Miller	P.R.		P.O. Box 384	Delta Junction	AK	99737	907-895-4493
Oldham	Tommy	Ft. Greely Fire&E.M. Svc.	P.O. Box 1315	Delta Junction	AK	99702	907-873-3425
Short	Ronan	ADEC	610 University Avenue	Fairbanks	AK	99709-3643	907-451-2156
Webb	Tamie		HC-62 Box 5358	Delta Junction	AK	99737	907-895-1024

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3473
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Last Name	First Name	Organization	Address	City	State	Zip Code	Phone
Webb	Tim	GRE A RAB Co-Chair	HC-62 Box 5358	Delta Junction	AK	99737	907-895-1024